

Version with Markings to Show Changes Made

Kindly add the following claims:

- -17. A method of message distribution between a source of a short message and a wireless network including an intended recipient of said short message, said method of message distribution comprising:

receiving said short message from said source of said short message utilizing an SMTP protocol communication channel;

placing said short message in at least one of a plurality of subscriber queues before delivery to said wireless network, said plurality of subscriber queues each corresponding to a different subscriber in said wireless network; and

communicating said short message to said wireless network utilizing a communication channel.

18. The method of message distribution according to claim 17, wherein:

said communication channel with said wireless network is an RMI protocol communication channel.

19. The method of message distribution according to claim 17, wherein:

said communication channel with said wireless network is an SMPP protocol communication channel.

20. The method of message distribution according to claim 17, wherein:

each of said plurality of subscriber queues operates in a first in-first out fashion.

21. The method of message distribution according to claim 17, further comprising:

placing a predetermined maximum number of short messages in each of said plurality of subscriber queues.

22. The method of message distribution according to claim 17, wherein:

said wireless network is a wireless intelligent network (WIN).

23. An apparatus for message distribution between a source of a short message and a wireless network including an intended recipient of said short message, said apparatus for message distribution comprising:

means for receiving said short message from said source of said short message utilizing an SMTP protocol communication channel;

means for placing said short message in at least one of a plurality of subscriber queues before delivery to said wireless network, said plurality of subscriber queues each corresponding to a different subscriber in said wireless network; and

means for communicating said short message to said wireless network utilizing a communication channel.

24. The apparatus for message distribution according to claim 23, wherein:

said communication channel with said wireless network is an RMI protocol communication channel.

25. The apparatus for message distribution according to claim 23, wherein:

said communication channel with said wireless network is an SMPP protocol communication channel.

26. The apparatus for message distribution according to claim 23, wherein:

each of said plurality of subscriber queues operates in a first in-first out fashion.

27. The apparatus for message distribution according to claim 23, further comprising:

placing a predetermined maximum number of short messages in each of said plurality of subscriber queues.

28. The apparatus for message distribution according to claim 23, wherein:

said wireless network is a wireless intelligent network (WIN).- -

REMARKS

Claims 17-28 are added herein. Claims 1-28 are now pending in the application, with claims 7-16 being withdrawn from consideration.

Restriction of claims 1-16

The Examiner restricted claims 1-16 as drawn to two distinct inventions.

The Applicants herein reiterate election of claims of claims 1-6, with traverse, as it is believed to be not unduly burdensome for the Examiner to examine all claims pursuant to a thorough search.

Claims 1-6 over Gossman in view of Coutts

In the Office Action, claims 1-6 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Gossman et al. U.S. Patent No. 6,181,935 ("Gossman") in view of Coutts et al. U.S. Patent No. 5,974,045 ("Coutts"). The Applicants respectfully traverse the rejection.

Claims 1-6 recite, *inter alia*, an SMTP protocol communication channel and a plurality of subscriber queues each corresponding to a different subscriber in a wireless network, a short message being placed in at least one of the plurality of subscriber queues before delivery to the wireless network.

Gossman appears to teach a mobility extended telecommunications application comprising an integrated wireless and wirelined network with central control (Gossman, Abstract). A programmed interface translates between different protocols of the wireless and wirelined networks to allow for customized services to be furnished to the wireless network (Gossman, Abstract). Instant Information from the World Wide Web can be delivered to a wireless handset in the form of a short message (SMS) (Gossman, col. 6, lines 22-36). Gossman's SS7 data network interconnects mobility controllers with each other for data communications, i.e., the transfer of necessary data from a subscriber's HLR to a VLR in the mobility controller the subscriber's mobile station is currently communicating with (Gossman, col. 3, lines 62-67).

The Office Action correctly acknowledges that Gossman fails to teach a short message being placed in at least one of a plurality of subscriber queues before delivery to a wireless network. However, the Office Action relies on Coutts to allegedly make up for the deficiencies in Gossman to arrive at the claimed invention. The Applicants respectfully disagree.

Coutts appears to teach a method in a radio messaging system for forming a current frame of data, while maintaining a current transmission order for numbered messages (Coutts, col. 1, lines 51-54). A processor selects a candidate message from a message queue (Abstract). The processor tests whether an available space in a current frame of data is sufficient to accommodate the candidate message (Coutts, Abstract).

Coutts teaches a single FIFO message queue that messages are retrieved from. Coutts's single FIFO message queue is NOT a plurality of subscriber queues, much less a plurality of subscriber queues each corresponding to a different subscriber in a wireless network, and a short message being placed in at least one of the plurality of subscriber queues before delivery to the wireless network, as claimed by claims 1-6.

Neither Gossman nor Coutts disclose, teach or suggest an SMTP protocol communication channel and a plurality of subscriber queues each corresponding to a different subscriber in a wireless network, or a short message being placed in at least one of the plurality of subscriber queues before delivery to the wireless network, as claimed by claims 1-6.

Accordingly, for at least all the above reasons, claims 1-6 are patentable over the prior art of record. It is therefore respectfully requested that the rejection be withdrawn.

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

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